

Wilcox Oil Company | Bristow, Oklahoma

Site Assessment Brief | Creek County

February 14, 2013

Site Name and Location:

Wilcox Oil Company

Site Type:

Refining

Site Description and Setting:

Wilcox Oil Company (Wilcox) includes the inactive and abandoned Lorraine and Wilcox oil refineries located in Bristow, Creek County, Oklahoma. The site is located in an area with easy access to the highway and within commuting distance to Tulsa.

Site Background:

The Site consists of the former Lorraine/Wilcox Refinery located in Bristow, Creek County, Oklahoma. The property was utilized by two different refineries with overlapping boundaries from 1915 to 1965. Wilcox Oil Company (Wilcox) operated as a crude oil refinery from the 1920s until 1963. A modern skimming and cracking plant was constructed in 1929. The main components of the plant consisted of a skimming plant, cracking unit and re-distillation battery with vapor recovery system and treatment equipment. Wilcox expanded when it acquired the Lorraine Refinery in 1937, which was located adjacent to Wilcox. The two refineries comprise 125 acres. The site includes remnants of former oil refining operations and tank farms. Currently there are six residents living on-site, homes are located in areas of former waste operations.

PRP Potential:

Info Request 104(e) sent to Kinder Morgan. Response is currently being reviewed. Conoco Phillips has been identified as a potential RP for the Lorraine Refinery

Current Status – EO and ORC are reviewing Kinder Morgan response. Enforcement Officer is currently preparing a 104e information request for Conoco Phillips.

Site Assessment Actions to Date:

Extensive site assessment activities at occurred at this site, PA's, SI's and ESI's have been conducted by the Oklahoma Department of Environmental Quality (ODEQ) under cooperative agreement with EPA. A HRS package was completed for this site in 2012 and is undergoing final review by EPA HQ's.

Environmental Concerns:

Wilcox Oil Company site sources include contaminated soil, cooling ponds and numerous tank bottoms. Hazardous substances include polycyclic aromatic hydrocarbons (PAHs) and metals, primarily lead. Currently, a church and six residents are located within the former refinery boundaries, half of which utilize ground water from private wells. Intermittent streams drain the source areas and flow to Sand Creek. A release of copper, lead and PAHs has been documented to the wetlands of Sand Creek. Sand Creek flows to Little Deep Fork Creek from which fish are caught for human consumption.

Site Assessment Schedule:

The data supports an observed release and Site Assessment is in the process of finalizing the HRS package for this site to be proposed during the April 2013 NPL Update. EPA received a letter of support for placing this site on the NPL from the state of Oklahoma on May 04, 2012.